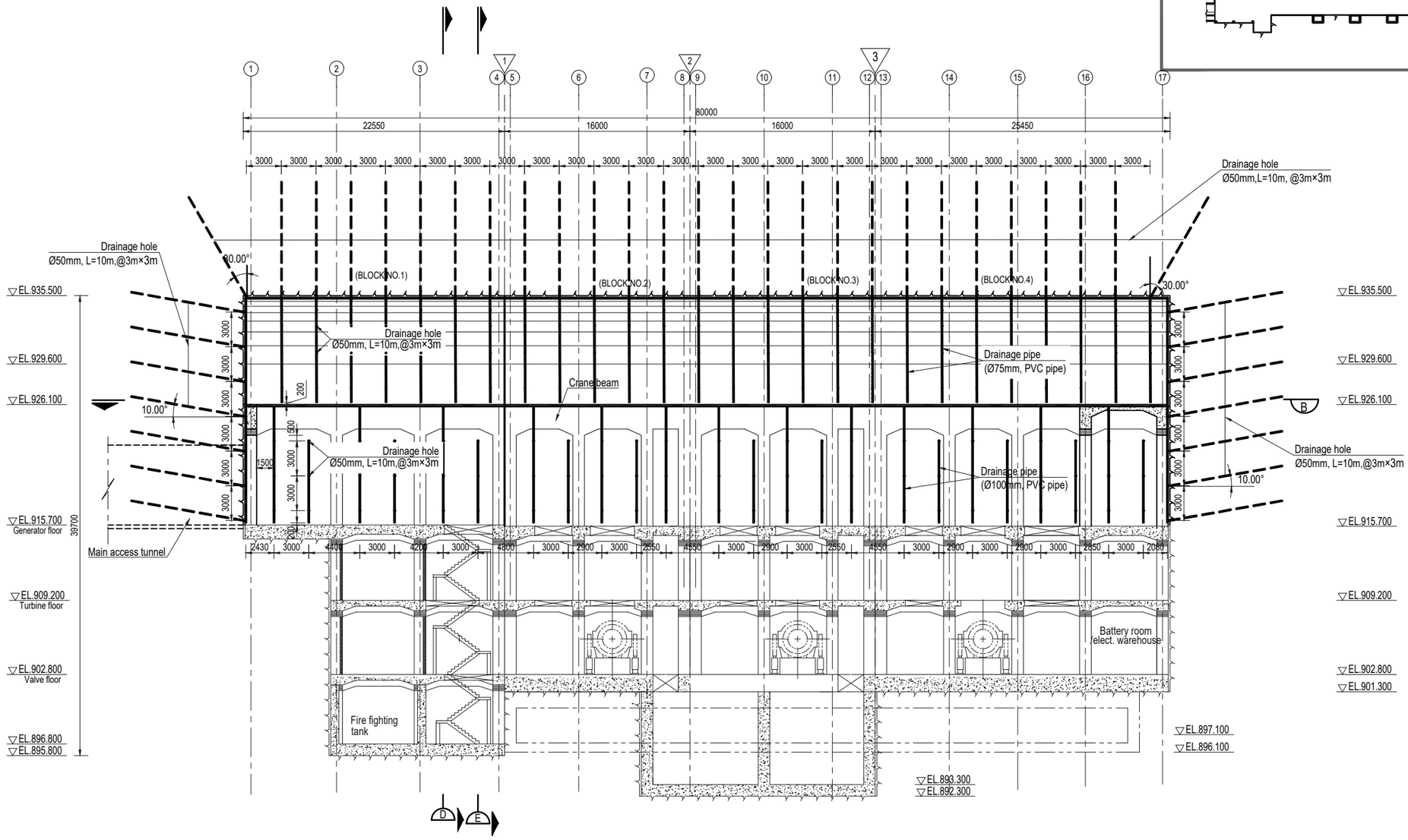
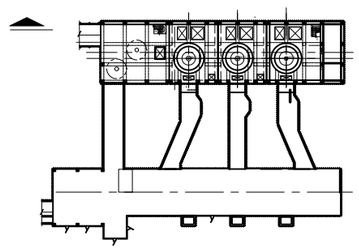
LONGITUDINAL SECTION OF POWERHOUSE

(SECTION A-A) SCALE:1:200



KEY PLAN



NOTE

1. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
2. The set of drawings only reflect the drainage system above EL.915.700m, and see the subsequent drawings for other parts.
3. The drainage hole may be adjusted according to the site seepage point.
4. Galvanized steel funnel may be used on the roof instead of trifurcation and bifurcation pipe,if necessary.

1:200 0 2 4 6 8 10m

1:100 0 1 2 3 4 5m

1:20 0 0.2 0.4 0.6 0.8 1.0m

1:10 0 0.1 0.2 0.3 0.4 0.5m

LEGEND

- 1ST STAGE CONCRETE
- 2ND STAGE CONCRETE
- (1) CODE NUMBER OF LONGITUDINAL DIRECTION
- 1 CONTRACTION JOINT(BETWEEN BLOCK AND BLOCK)
- EXCAVATION LINE
- DRAINAGE PIPE
- DRAINAGE HOLE

REFERENCE DRAWINGS

UT1-C-300-CVL-DG-60001	Arrangement drawing of Underground Powerhouse and Transformer Cavern

SYMBOL AND LEGEND

FOR APPROVAL

THIS DRAWING AND THE INFORMATION CONTAINED HEREIN ARE PRELIMINARY FOR APPROVAL.
IT CAN BE CHANGED IN THE EXECUTION STAGE.
THIS DRAWING IS THE PROPERTY OF DOOSAN HEAVY INDUSTRIES & CONSTRUCTION CO., LTD.
IT IS NOT TO BE COPIED OR USED IN ANY WAY DETRIMENTAL TO THE COMPANY.

REV. NO.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0B	31.JAN.2023	Second issue	PRAKRITI PANTA	ZHANG JIQIANG	LI WEIGONG
0A	20.JAN.2023	First issue	PRAKRITI PANTA	ZHANG JIQIANG	LI WEIGONG

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC NEPAL WATER AND ENERGY DEVELOPMENT CO. PVT. LTD.

OWNER'S ENGINEER

TRACTEBEL ENGIE jade CONSULT

CONTRACTOR

DOOSAN Enerbility

DRAWING TITLE

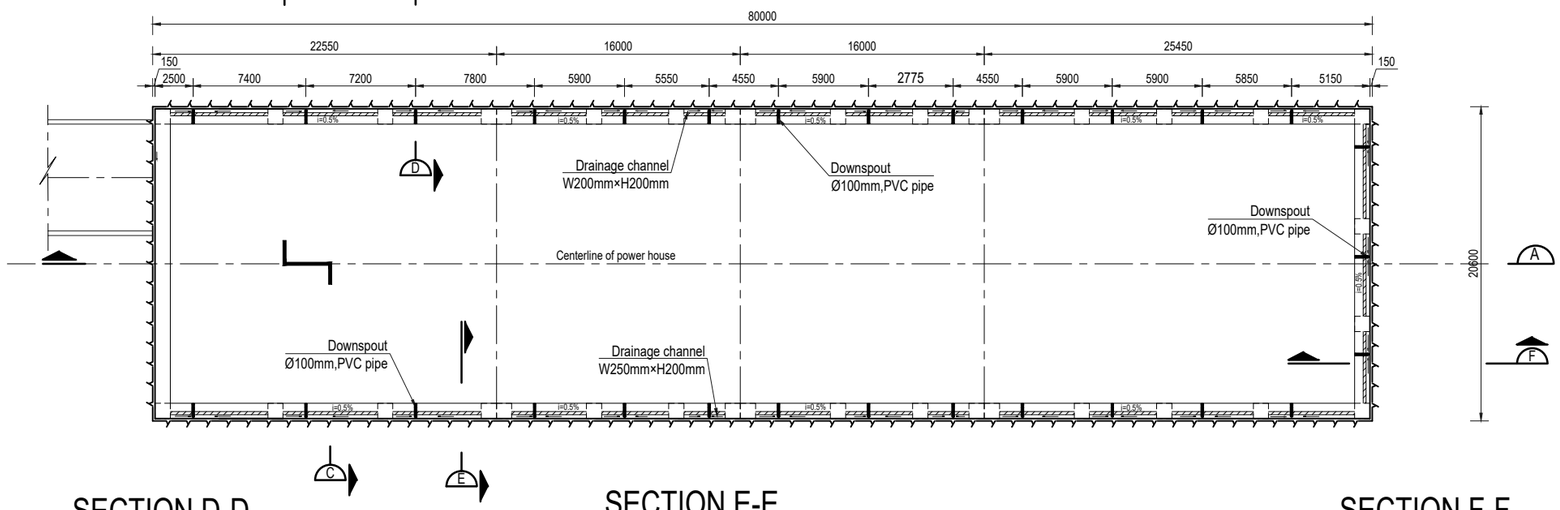
Drainage System of Powerhouse Cavern (Above EL.915.700m)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-300-CVL-DG-60005-01	1 OF 3	0A

A1 (594 x 841 MM)

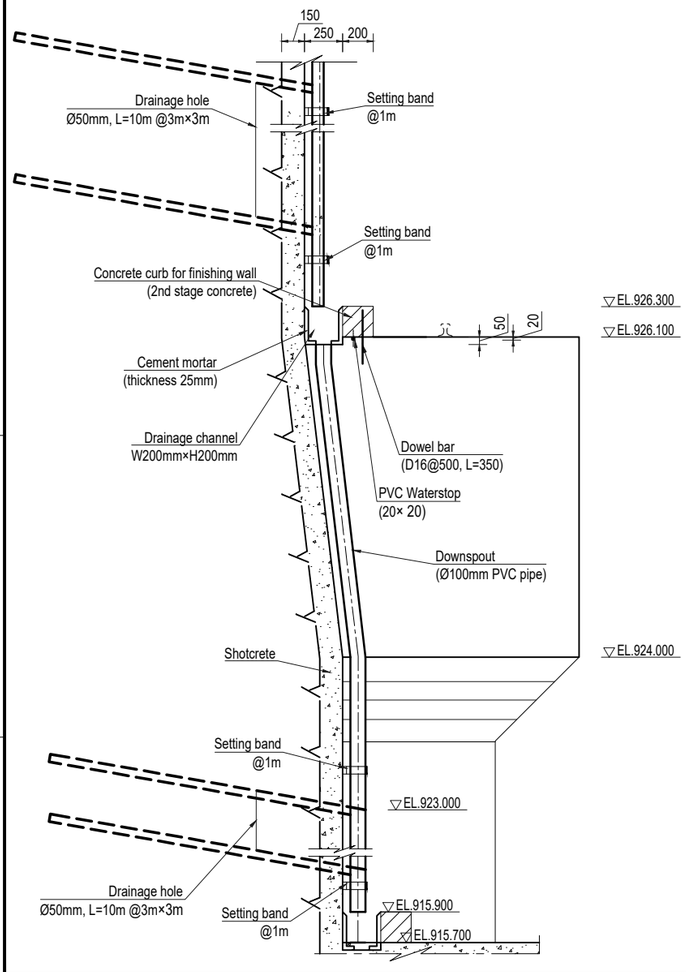
EL. 926.100 CRANE BEAM FLOOR

(SECTION B-B) SCALE:1:200



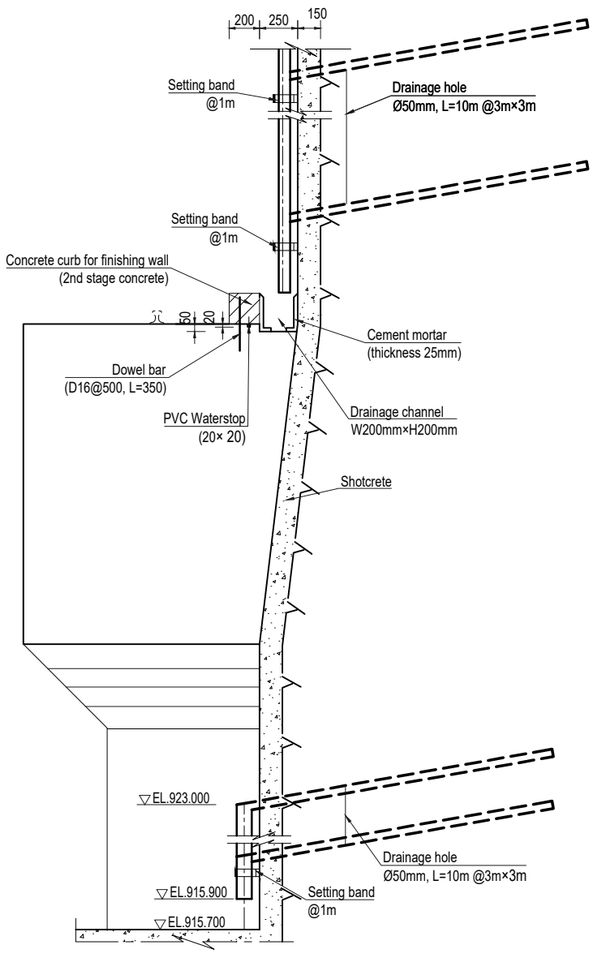
SECTION D-D

(DETAIL A) SCALE:1:20



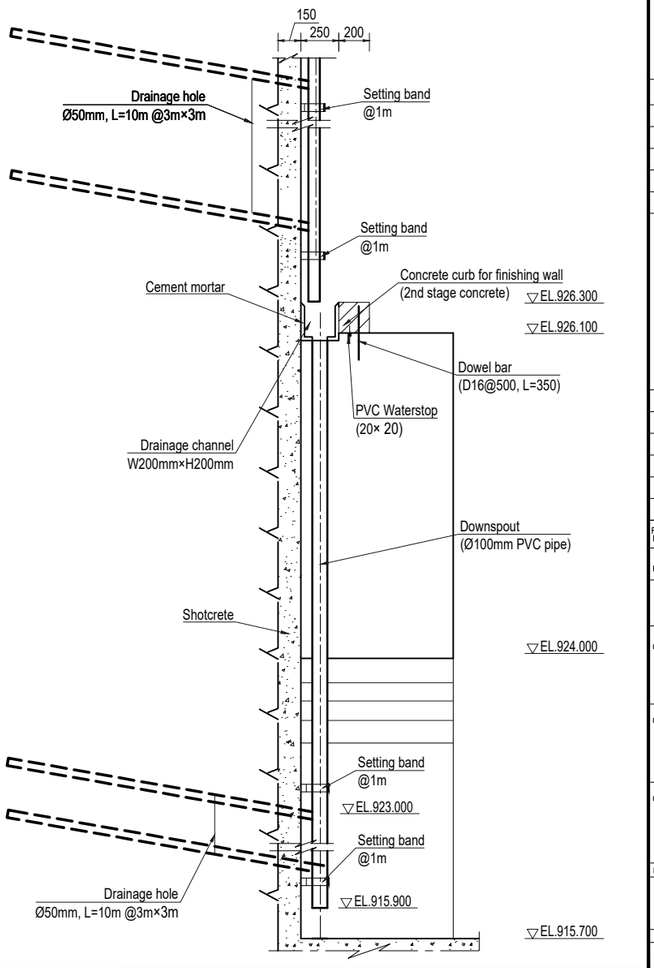
SECTION E-E

(DETAIL B) SCALE:1:20



SECTION F-F

SCALE:1:40



NOTE

1. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.

1:200 0 2 4 6 8 10m

1:100 0 1 2 3 4 5m

1:20 0 0.2 0.4 0.6 0.8 1.0m

1:10 0 0.1 0.2 0.3 0.4 0.5m

LEGEND

1ST STAGE CONCRETE

2ND STAGE CONCRETE

REFERENCE DRAWINGS

UT1-C-300-CVL-DG-60001	Arrangement drawing of Underground Powerhouse and Transformer Cavern

SYMBOL AND LEGEND

FOR APPROVAL

THIS DRAWING AND THE INFORMATION CONTAINED HEREIN ARE PRELIMINARY FOR APPROVAL.
IT CAN BE CHANGED IN THE EXECUTION STAGE
THIS DRAWING IS THE PROPERTY OF DOOSAN HEAVY INDUSTRIES & CONSTRUCTION CO., LTD.
IT IS NOT TO BE COPIED OR USED IN ANY WAY DETRIMENTAL TO THE COMPANY.

REV. NO.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0B	31.JAN.2023	Second issue	PRAKRITI PANTA	ZHANG JIQIANG	LI WEIGONG
0A	20.JAN.2023	First issue	PRAKRITI PANTA	ZHANG JIQIANG	LI WEIGONG

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC NEPAL WATER AND ENERGY DEVELOPMENT CO. PVT. LTD.

OWNER'S ENGINEER

TRACTEBEL engie jade CONSULT

CONTRACTOR

DOOSAN Enerbility

DRAWING TITLE

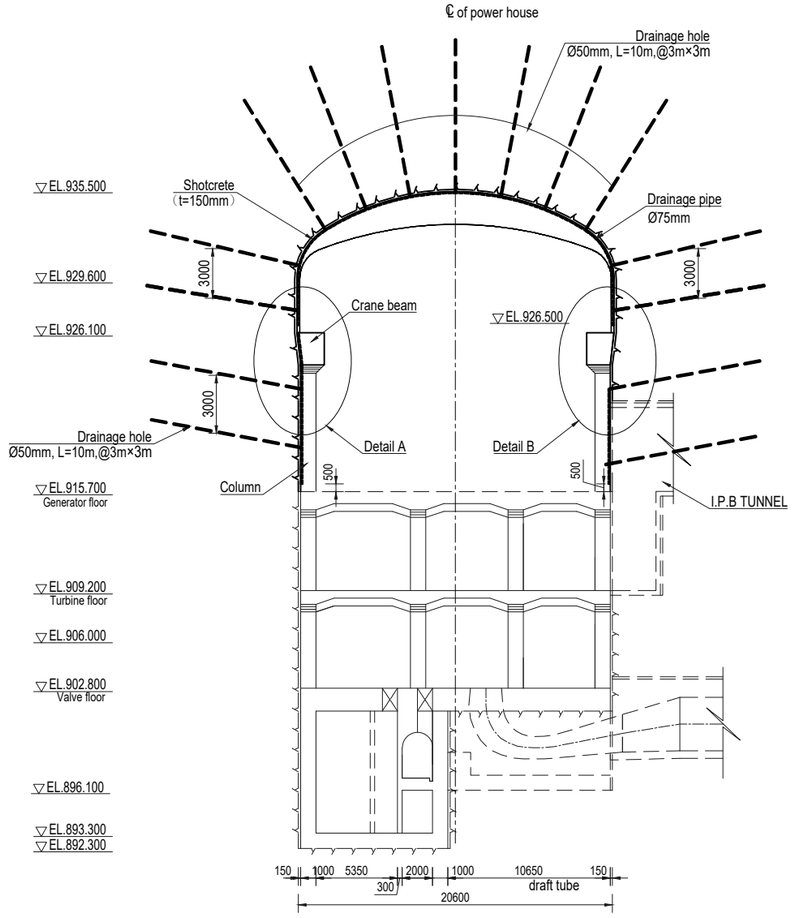
Drainage System of Powerhouse Cavern (Above EL.915.700m)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-300-CVL-DG-60005-02	2 OF 3	0A

A1 (594 x 841 MM)

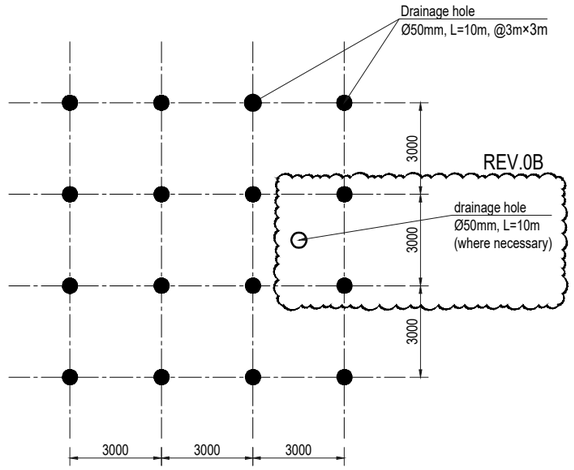
TYPICAL TRANSVERSE SECTION OF POWERHOUSE

(SECTION C-C) SCALE:1:200



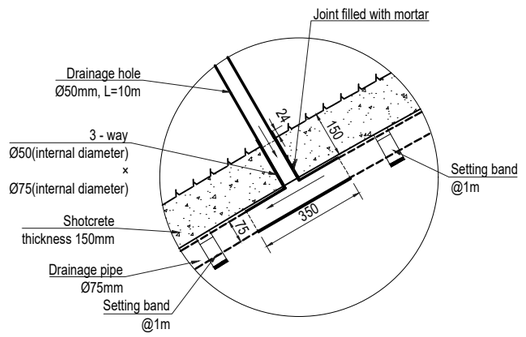
ARRANGEMENT OF DRAINAGE HOLES

SCALE:1:100



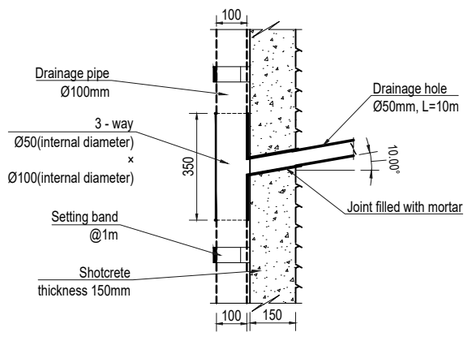
DETAIL OF DRAINAGE HOLE OUTLET

SCALE:1:10 crown



DETAIL OF DRAINAGE HOLE OUTLET

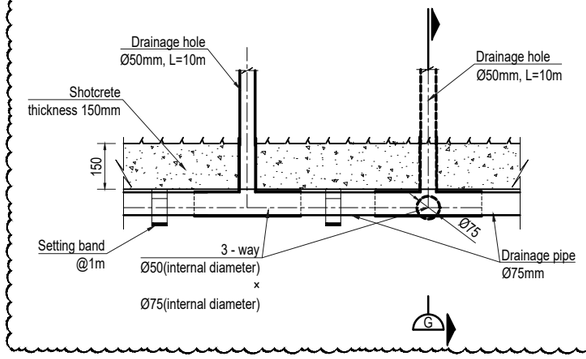
SCALE:1:10



REV.0B

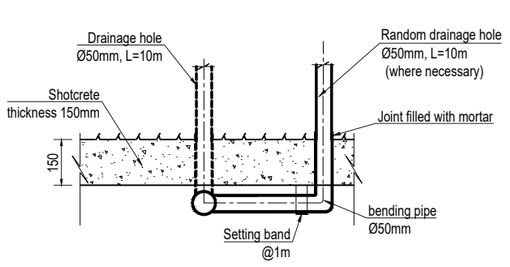
DETAIL OF DRAINAGE HOLE OUTLET

SCALE:1:10 where necessary(damp, moist or wet area)



SECTION G-G

SCALE:1:10



NOTE

1. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.

1:200 0 2 4 6 8 10m

1:100 0 1 2 3 4 5m

1:20 0 0.2 0.4 0.6 0.8 1.0m

1:10 0 0.1 0.2 0.3 0.4 0.5m

REFERENCE DRAWINGS

UT1-C-300-CVL-DG-60001	Arrangement drawing of Underground Powerhouse and Transformer Cavern

SYMBOL AND LEGEND

FOR APPROVAL

THIS DRAWING AND THE INFORMATION CONTAINED HEREIN ARE PRELIMINARY FOR APPROVAL.
IT CAN BE CHANGED IN THE EXECUTION STAGE.
THIS DRAWING IS THE PROPERTY OF DOOSAN HEAVY INDUSTRIES & CONSTRUCTION CO., LTD.
IT IS NOT TO BE COPIED OR USED IN ANY WAY DETRIMENTAL TO THE COMPANY.

REV. NO.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0B	31,JAN,2023	Second issue	PRAKRITI PANTA	ZHANG JIQIANG	LI WEIGONG
0A	20,JAN,2023	First issue	PRAKRITI PANTA	ZHANG JIQIANG	LI WEIGONG

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC NEPAL WATER AND ENERGY DEVELOPMENT CO. PVT. LTD.

OWNER'S ENGINEER

TRACTEBEL ENGIE jade CONSULT

CONTRACTOR

DOOSAN Enerbility

DRAWING TITLE

Drainage System of Powerhouse Cavern (Above EL.915.700m)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-300-CVL-DG-60005-03	3 OF 3	0A

A1 (594 x 841 MM)